

Scaled data based on original data using  
LM-79-2019 Approved Method: Electrical and Photometric Measurements of Solid-  
State Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

Brand: PORTFOLIO

Report Number: P768720

Luminaire Tested: LD6D60D010-EU6DR3055659024-6LBSQW1B

Issue Date: 2/2/2024

**Test Information**

Test Method: LM-79-2019  
Report Number: P768720  
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (G1-2307-078-16)  
Test Lab: COOPER LIGHTING SOLUTIONS  
Issue Date: 2/2/2024  
Manufacturer: COOPER LIGHTING SOLUTIONS  
Product Line: PORTFOLIO  
Catalog Number: LD6D60D010-EU6DR3055659024-6LBSQW1B  
Description: 6 INCH SQAURE DEEP 45° CUTOFF SPECULAR BLACK TRIM, WITH 30° OPTIC  
Light Source: (1) HIGH LUMEN LED 90CRI / 2400K CCT  
Ballast/Driver: -

**Summary**

Lumens per Lamp: N/A  
Luminaire Lumens: 4549.6 lumens  
Efficiency: N/A  
Efficacy: 70.6 lumens/watt  
Spacing Criteria (0/90/45): 0.52 / 0.52 / 0.49  
Luminous Opening: Rectangular (W 0.38' x L: 0.38' x H: 0')  
CIE Type: Direct

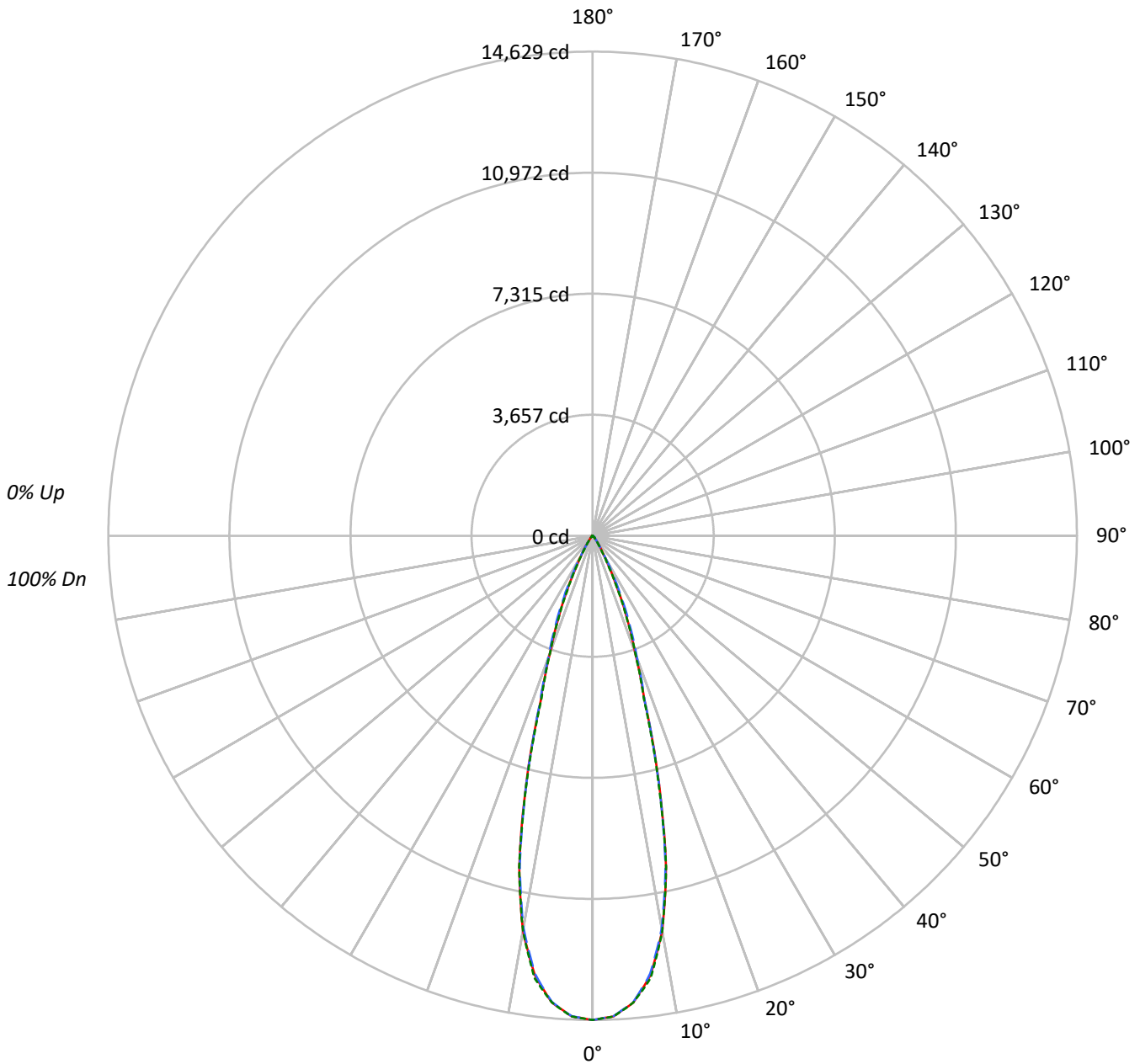
Input Watts (W): 64.4  
Input Voltage (V): NR  
Input Current (Ain): NR  
Voltage Rise (V): NR  
Power Factor: NR  
Total Harmonic Distortion (THDi): NR  
Frequency (hertz): 60  
Stabilization Time: NR  
Operation Time: NR  
Ambient Temperature (°C): NR  
Test Distance: 24 FT



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### Luminous Intensity Polar Plot





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**COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:**

|     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |   |  |  |  |    |  |  |  |  |  |  |  |  |   |
|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|----|----|----|----|----|---|--|--|--|----|--|--|--|--|--|--|--|--|---|
| RF  | 20  |     |     |     |     |     |     |     |     | 20  |     |     |     |     |     |     |     |     | 20 |    |    |    |    |   |  |  |  | 20 |  |  |  |  |  |  |  |  |   |
| RC  | 80  |     |     |     |     |     |     |     |     | 50  |     |     |     |     |     |     |     |     | 30 |    |    |    |    |   |  |  |  | 10 |  |  |  |  |  |  |  |  | 0 |
| RW  | 70  | 50  | 30  | 10  | 70  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30  | 10  | 50  | 30 | 10 | 50 | 30 | 10 | 0 |  |  |  |    |  |  |  |  |  |  |  |  |   |
| RCR |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |     |    |    |    |    |    |   |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 0   | 119 | 119 | 119 | 119 | 116 | 116 | 116 | 116 | 111 | 111 | 111 | 106 | 106 | 106 | 102 | 102 | 102 | 100 |    |    |    |    |    |   |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 1   | 115 | 113 | 111 | 109 | 112 | 110 | 109 | 107 | 106 | 105 | 104 | 103 | 102 | 101 | 99  | 99  | 98  | 96  |    |    |    |    |    |   |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 2   | 111 | 107 | 104 | 101 | 109 | 105 | 102 | 100 | 102 | 100 | 98  | 99  | 97  | 96  | 97  | 95  | 94  | 92  |    |    |    |    |    |   |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 3   | 107 | 102 | 98  | 95  | 105 | 101 | 97  | 94  | 98  | 95  | 93  | 96  | 93  | 91  | 94  | 92  | 90  | 89  |    |    |    |    |    |   |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 4   | 103 | 98  | 93  | 90  | 102 | 96  | 93  | 90  | 94  | 91  | 89  | 93  | 90  | 88  | 91  | 89  | 87  | 85  |    |    |    |    |    |   |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 5   | 100 | 94  | 89  | 86  | 98  | 93  | 89  | 86  | 91  | 88  | 85  | 90  | 86  | 84  | 88  | 86  | 83  | 82  |    |    |    |    |    |   |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 6   | 97  | 90  | 85  | 82  | 95  | 89  | 85  | 82  | 88  | 84  | 81  | 87  | 83  | 81  | 85  | 83  | 80  | 79  |    |    |    |    |    |   |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 7   | 94  | 87  | 82  | 79  | 92  | 86  | 82  | 79  | 85  | 81  | 78  | 84  | 81  | 78  | 83  | 80  | 78  | 77  |    |    |    |    |    |   |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 8   | 91  | 84  | 79  | 76  | 90  | 83  | 79  | 76  | 82  | 78  | 76  | 81  | 78  | 75  | 80  | 77  | 75  | 74  |    |    |    |    |    |   |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 9   | 88  | 81  | 76  | 73  | 87  | 80  | 76  | 73  | 80  | 76  | 73  | 79  | 75  | 73  | 78  | 75  | 73  | 72  |    |    |    |    |    |   |  |  |  |    |  |  |  |  |  |  |  |  |   |
| 10  | 85  | 78  | 74  | 71  | 85  | 78  | 74  | 71  | 77  | 73  | 71  | 76  | 73  | 71  | 76  | 73  | 70  | 69  |    |    |    |    |    |   |  |  |  |    |  |  |  |  |  |  |  |  |   |

**AVERAGE LUMINANCE (cd/sqm):**

|     | 0°      | 45°     | 90°     |
|-----|---------|---------|---------|
| 0°  | 1119776 | 1119776 | 1119776 |
| 5°  | 1087634 | 1086366 | 1087687 |
| 10° | 942056  | 935411  | 941831  |
| 15° | 614645  | 611340  | 608266  |
| 20° | 305630  | 317099  | 305223  |
| 25° | 153955  | 173608  | 150805  |
| 30° | 61639   | 67164   | 53703   |
| 35° | 28593   | 27379   | 22949   |
| 40° | 12340   | 13709   | 11631   |
| 45° | 8703    | 10803   | 8790    |
| 50° | 2989    | 7871    | 3168    |
| 55° | 1721    | 3256    | 1815    |
| 60° | 1209    | 1424    | 1209    |
| 65° | 779     | 779     | 779     |
| 70° | 492     | 313     | 492     |
| 75° | 0       | 207     | 0       |
| 80° | 0       | 0       | 0       |
| 85° | 0       | 0       | 0       |

**MAXIMUM LUMINANCE 45°-90°:**

Horizontal Angle: 22.5°  
 Vertical Angle: 45°  
 Luminance: 10803 cd/sqm



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**ZONAL LUMENS:**

| Zone      | Lumens | % Fixture |
|-----------|--------|-----------|
| 0°-10°    | 1286.4 | 28.3      |
| 10°-20°   | 2071.8 | 45.5      |
| 20°-30°   | 895.3  | 19.7      |
| 30°-40°   | 204.1  | 4.5       |
| 40°-50°   | 70.1   | 1.5       |
| 50°-60°   | 17.1   | 0.4       |
| 60°-70°   | 4.4    | 0.1       |
| 70°-80°   | 0.5    | 0.0       |
| 80°-90°   | 0.0    | 0.0       |
| 90°-100°  | 0.0    | 0.0       |
| 100°-110° | 0.0    | 0.0       |
| 110°-120° | 0.0    | 0.0       |
| 120°-130° | 0.0    | 0.0       |
| 130°-140° | 0.0    | 0.0       |
| 140°-150° | 0.0    | 0.0       |
| 150°-160° | 0.0    | 0.0       |
| 160°-170° | 0.0    | 0.0       |
| 170°-180° | 0.0    | 0.0       |
| 0°-30°    | 4253.5 | 93.5      |
| 0°-40°    | 4457.6 | 98.0      |
| 0°-60°    | 4544.7 | 99.9      |
| 0°-90°    | 4549.6 | 100.0     |
| 90°-120°  | 0.0    | 0.0       |
| 90°-150°  | 0.0    | 0.0       |
| 90°-180°  | 0.0    | 0.0       |
| 0°-180°   | 4549.6 | 100.0     |

**CANDELA DISTRIBUTION:**

|     | 0°    | 22.5° | 45°   | 67.5° | 90°   | Flux |
|-----|-------|-------|-------|-------|-------|------|
| 0°  | 14629 | 14629 | 14629 | 14629 | 14629 |      |
| 5°  | 14155 | 14142 | 14139 | 14168 | 14156 | 1287 |
| 15° | 7756  | 7663  | 7715  | 7690  | 7676  | 2077 |
| 25° | 1823  | 1892  | 2056  | 1844  | 1786  | 873  |
| 35° | 306   | 312   | 293   | 291   | 246   | 208  |
| 45° | 80    | 100   | 100   | 100   | 81    | 57   |
| 55° | 13    | 14    | 24    | 14    | 14    | 13   |
| 65° | 4     | 4     | 4     | 4     | 4     | 4    |
| 75° | 0     | 0     | 1     | 0     | 0     | 1    |
| 85° | 0     | 0     | 0     | 0     | 0     | 0    |
| 90° | 0     | 0     | 0     | 0     | 0     | 0    |



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**CANDELA DISTRIBUTION (FULL):**

|       | 0°      | 22.5°   | 45°     | 67.5°   | 90°     |
|-------|---------|---------|---------|---------|---------|
| 0°    | 14629.3 | 14629.3 | 14629.3 | 14629.3 | 14629.3 |
| 2.5°  | 14532.4 | 14522.3 | 14528.0 | 14535.2 | 14538.1 |
| 5°    | 14155.3 | 14141.6 | 14138.8 | 14168.2 | 14156.0 |
| 7.5°  | 13394.6 | 13375.3 | 13345.8 | 13412.6 | 13475.1 |
| 10°   | 12120.5 | 12098.9 | 12035.0 | 12066.6 | 12117.6 |
| 12.5° | 10239.4 | 10169.7 | 10168.3 | 10268.8 | 10255.2 |
| 15°   | 7756.4  | 7663.0  | 7714.7  | 7689.6  | 7675.9  |
| 17.5° | 5215.9  | 5180.0  | 5249.0  | 5228.1  | 5138.4  |
| 20°   | 3752.1  | 3761.5  | 3892.9  | 3826.8  | 3747.1  |
| 22.5° | 2738.0  | 2771.7  | 2927.6  | 2757.4  | 2694.9  |
| 25°   | 1822.9  | 1891.9  | 2055.6  | 1843.7  | 1785.6  |
| 27.5° | 1121.2  | 1152.8  | 1318.7  | 1106.8  | 1075.2  |
| 30°   | 697.4   | 681.6   | 759.9   | 652.2   | 607.6   |
| 32.5° | 457.5   | 437.4   | 462.6   | 415.1   | 379.2   |
| 35°   | 306.0   | 312.4   | 293.0   | 290.9   | 245.6   |
| 37.5° | 191.1   | 219.8   | 193.9   | 206.9   | 158.0   |
| 40°   | 123.5   | 159.5   | 137.2   | 151.6   | 116.4   |
| 42.5° | 101.3   | 122.8   | 112.8   | 119.9   | 103.4   |
| 45°   | 80.4    | 99.8    | 99.8    | 99.8    | 81.2    |
| 47.5° | 44.5    | 66.8    | 85.5    | 68.2    | 47.4    |
| 50°   | 25.1    | 33.8    | 66.1    | 35.2    | 26.6    |
| 52.5° | 17.2    | 19.4    | 45.2    | 20.1    | 18.0    |
| 55°   | 12.9    | 13.6    | 24.4    | 14.4    | 13.6    |
| 57.5° | 10.1    | 10.8    | 12.9    | 10.8    | 10.1    |
| 60°   | 7.9     | 7.9     | 9.3     | 8.6     | 7.9     |
| 62.5° | 5.7     | 5.7     | 6.5     | 5.7     | 5.7     |
| 65°   | 4.3     | 4.3     | 4.3     | 4.3     | 4.3     |
| 67.5° | 2.2     | 2.9     | 2.9     | 2.9     | 2.9     |
| 70°   | 2.2     | 1.4     | 1.4     | 1.4     | 2.2     |
| 72.5° | 1.4     | 0.7     | 0.7     | 0.7     | 0.7     |
| 75°   | 0.0     | 0.0     | 0.7     | 0.0     | 0.0     |
| 77.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 80°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 82.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 85°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 87.5° | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |
| 90°   | 0.0     | 0.0     | 0.0     | 0.0     | 0.0     |

Signify Classified - Internal  
Cooper Lighting Solutions Photometric Lab  
1121 Highway 74 South  
Peachtree City, GA 30269

Scaled Data Report



Report Generated By 670245859 / DESKTOP-T8S5UU9

Signify Classified - Internal  
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Scaled Data Report







— 0°-180°    - - 45°-225°    - - - 90°-270°

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Scaled Data Report



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